

ABSTRACT

The invention relates to a pump, especially a power-steering pump, having a flow-control valve device. Said flow-control valve device has a piston (30), arranged inside a piston bore (3) so as to be displaced, and said piston bore has at least one inlet and at least one outlet channel (13). The piston has an axial inlet opening (32) and a plurality of substantially radial outlet openings (35) and a continuous outlet groove (31) between a first collar (19) and a second collar (17), representing a control edge (15) for an outlet fluid flow. The axial inlet opening extends at least to the beginning of the radial, lateral outlet openings in a substantially cylindrical manner and the continuous outlet groove widens in terms of its radial depth on the outer circumference of the piston towards the control edge.